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	Claims:			
1	1. A system comprising:			
2	a radio moden unit; and			
3	an RF signal pooster unit, wherein the booster unit is connectable to			
4	the RF signal booster unit with a connector adapted to transmit RF signals,			
5	wherein a DC offset at the connector is detected to determine whether the booster			
6	unit is connected to radio modem.			
1	2. The system of Claim 1, wherein the connector connects to a			
2	connection line between the radio modem unit and the booster unit.			
1	3. The system of Claim 1, wherein the offset detection circuitry is			
2	located within the radio modem unit.			
1	4. The system of Claim 1, wherein the offset detection circuitry			
2	includes an inductor to allow the DC offset to be placed onto the connector, but			
3	not allow radio frequency energy to pass up into the auto-detect circuit.			
1	5. The system of Claim 1, wherein the booster unit includes an			
2	element to reduce the DC power level to low if the radio modem unit is connected			
3	to the booster unit.			
1	6. The system of Claim 5, wherein the elements in the booster unit			
2	include an inductor.			
1	7. The system of Claim 1, wherein the voltage at the connector of the			
2	radio modem unit is high if no booster unit is connected but is low if a booster unit			
3	is connected.			
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8. A radio modem unit comprising:

2	a radio;		
3	an RF signal connector operably connected to the radio, the connector		
4	being connectable to a RF antenna or a booster unit; and		
5	a detector unit adapted to detect a DC offset at the connector to		
6	determine whether the connector is connected to a booster unit.		
1	9. The radio modem unit of Claim 8, wherein the connector is		
2	connectable to a connector line which can connect the radio modem unit to a		
3	booster unit.		
1	10. The radio modem unit of Claim 8, wherein the DC offset of		
2	the connector is high if no booster unit is connected but is low if a booster unit is		
3	connected.		
1	11. The radio modem unit of Claim 8, wherein an inductor is		
2	used as part of an auto-detect circuit.		
1	12. The radio modem unit of Claim 8, wherein the radio modem		
2	unit is connected to a booster unit, the booster unit including a circuit to pull the		
3	DC offset at the connector to low.		

1	13. A system comprising:			
2	a radio modem unit; and			
3	an RF signal booster unit, wherein the booster unit is connectable to			
4	the RF signal booster unit with a connector adapted to transmit RF signals,			
5	wherein baseband signals transmitted to the connector by the radio modem are			
6	used by the booster unit to prepare for transmission.			
1	14. The system of Claim 13, wherein a connector line is			
2	connected between the connector at the RF signal booster unit to a connector at the			
3	radio modem unit.			
1	The system of Claim 13, wherein the baseband signals are			
2	power control signals.			
1	16. The system of Claim 13, wherein the power control signals			
2	are used to control the power and channel.			
1	17. The system of Claim 13, wherein the RF signal booster unit			
2	includes a switch in the transmit line that prevents RF energy from being provided			
3	to a power amplifier in the booster unit until a valid power controller message is			
4	received from the radio modem.			
1	18. The system of Claim 13, wherein DC offset signals are sent			
2	between the radio modem and booster unit to indicate whether the radio modem			
3	unit is connected to the booster unit.			
1	19. An RF signal booster unit adapted to amplify RF signals			
2	from a radio modem, the booster unit includes a switch that significantly attenuates			
3	the RF energy from the radio modem that is provided to a power amplifier in the			

4	booster unit until a valid power control message is received from the radio
5	modem.
1	20. The RF signal booster unit of Claim 19, wherein the switch
2	includes a pair of diodes.
1	The system of Claim 20, wherein the current flows through
2	the diodes, the RF impedance of the diodes is reduced, turning the switch to
3	closed, but when current is not flowing through the diodes, the RF impedance of
4	the switch is high.
1	22. Method of using a radio modem unit and an RF signal
2	booster unit, the booster unit and radio modem unit connectable using a connector
3	the method comprising:
4	in the radio modem unit, detecting a DC offset on the connector to
5	determine whether the booster unit is connected;
6	if the booster unit is connected, transmitting baseband signals on the
7	connector from the radio modem to the booster unit to allow the booster unit to
8	prepare for transmission; and
9	thereafter, transmitting an RF signal on the connector from the radio
10	modem to the booster unit.

1	23.	The method of Claim 22, wherein the connector line
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2	connects between the	radio modem unit and an RF signal booster unit.
1 2	24. power control signal.	The method of Claim 22, wherein the baseband signal is the
1	25.	The method of Claim 24, wherein the power control signal
2	includes a channel co	atrol and power level indications.
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